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P5BV/SAS
45nm Ready Server Board with High Storage Capacity & Expandability
ASUS new platform sever board – the P5BV/SAS supports the 45nm Multi-Core Intel® Xeon® processor at FSB1333MHz based on the Intel® 3200 MCH, features up to 8GB DDR2 800/667 memory capacity and various expansion choices.

Specification

Processor / System Bus	1 * Socket LGA775 Intel® CoreTM 2 Duo series Dual-Core Intel® Xeon® 3000 series Quad-Core Intel® Xeon® 3200 series Next-Generation 45nm Intel® Xeon® Processor Dual Core/Quad Core FSB 1333/1066/800 MHz
Core Logic	Intel® 3200 Memory Contoller Hub (MCH) Intel® ICH7R NEC® UPD 720404 (I/O Bridge)
Form Factor	ATX, 12" * 9.6"
ASUS Features	Smart Fan I Rack Ready (Rack and Pedestal dual use) ASWM2.0
Memory	**Total Slots**: 4 (2-channel) **Capacity**: Maximum up to 8GB **Memory Type**: DDR2 667 / 800 Unbuffered , ECC / Non ECC **Memory Size**: 256MB, 512 MB, 1 GB, 2GB
Expansion Slots (follow SSI Location #)	**Total PCI/PCI-X/PCI-E Slots**: 5 **Slot Location 1**: 1 * PCI 32bit/33 MHz **Slot Location 2**: 1 * PCI 32bit/33 MHz **Slot Location 3**: - **Slot Location 4**: - **Slot Location 5**: 1 * PCI-X link **Slot Location 6**: 1 * PCI-X link **Slot Location 7**: 1 * PCI-E x16 (x8 link) **Additional Slot:** 1* SO-DIMM socket for optional ASMB3-SOL
Storage	**IDE Controller** Intel® ICH7R: 1 * IDE support UltraATA 33 / 66 / 100 **SATA Controller** Intel® ICH7R: 4 SATA2 300MB/s ports Intel Matrix Storage (for Windows only) (Support software RAID 0, 1, 10 & 5) Optional LSI® ZCR (Zero-Channel-RAID) PCI-X card is upgradeable to support hardware RAID 0, 1, 10, 5, 50 **SAS Controller**

	LSI® 1068 (RAID 0, 1, 1E, ZCR) (8 SAS ports)
Networking	**LAN**: 2 * Broadcom® BCM5721 PCI-E GbE LAN
Graphic	**VGA**: XGI® Z9s DDR2/ 32MB
Onboard I/O Connectors	**Floppy Connector**: 1 **PSU Connector**: 24-pin ATX power connector + 4-pin ATX 12V power connector **Management Connector**: 1 * SO-DIMM socket for optional ASMB3-SOL **USB Connectors**: 1 (support 4 USB ports) **Fan Header**: 5 * 4pin **SMBus**: 1 **Chassis Intruder**: 1
Rear I/O Connectors	**External Serial Port**: 1 **External USB Port**: 4 **VGA Port**: 1 **RJ-45**: 2 **PS/2 KB/Mouse**: 1
Management Solution	**Software**: ASWM2.0 **Out of Band Remote Management**: Optional (ASMB3-SOL)
Monitoring	CPU Temperature FAN RPM
EMI	US (FCC, CFR47 Part 15, Class B) Europe (CE, EN55022 & EN55024)
Environment	**Operation temperature**: 10 ~ 35 **Non operation temperature**: -40 ~ 70 **Non operation humidity**: 20% ~ 90% (Non condensing)

The product (electrical , electronic equipment, Mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

* All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
* PCB color and bundled software versions are subject to change without notice.
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